

# Comparative Model of Interactional and Psychological Communication in Learning Process of High Senior School Students of Daarul Muqorrobin Bandung

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**Abstract**— This research is intended to know the result of student learning process by using interactional and psychological communication model. The method used is by using pre-test and post-test of group control experiment design. By applying two variables, the independent variable is the result of the learning process, and the dependent variable is the use of interactional and psychological communication model. Analysis data using descriptive statistics with mean and t-test calculations. The results showed that there is a significant relationship between the learning process of students using interactional and psychological communication model. Interactional models average 80.21 and psychological averages 74.60. this is evidenced by the calculation of T-test where  $t_{\text{calculation}} > t_{\text{table}}$  ( $3.76 > 2.00$ ). Thus it can be concluded that the learning process by using interactional learning model can enhance feedback, two-way communication and experience in communicating students.

**Keywords**— Interactional, Psychological, Learning, Student.

## I. INTRODUCTION

One of the success in the learning process through the students Daarul Muqorrobin through the implementation of effective communication model by teachers in teaching and learning activities. Effective communication model that has been done by the teacher is interactional and psychological communication model. The above statement is reinforced by the results of research conducted by Lodewyk Nahuway and Muhammad Farid in 2011 entitled "Comparison of Learning Outcomes of Cooperative and Conventional Learning Communication Model" in Communication Journal of KAREBA shows the results in the study that there is a significant relationship between student learning

outcomes by using methods of communication learning although the model used is cooperative and conventional.

Interactional models are often used by teachers during classroom learning as revealed by one of the teachers, Mr. Abduh. Using this model further he is possible because of the good interaction between students with teachers, between students and students with the environment so that the learning process is more lively.

The psychological model applied in Daarul Muqorrobin school also plays an important role in the learning process. Where the psychological state of a student will affect all aspects of his life. One aspect of education, namely learning activities. In a situation a teacher is able to analyze the psychological state of his student, then he will be easier to determine the methods and strategies that will be used in the learning process.

So it is mandatory for teachers in the learning process has the ability to apply effective communication model because teachers play an important role in educating and guiding students to achieve their best achievements during school. Professionalism of teachers in producing effective communication model of learning is needed to improve the quality of education at high school students Daarul Muqorrobin Bandung.

## II. LITERATURE REVIEW

Sereno and Mortensen say the communication model is an ideal description of what is needed for communication (Mulyana, 2001: 121). The interactional model is not related to "communication as interaction", the interactional model is opposite to the stimulus-response model (S-R) and some other linear models. Linear models assume human beings as passive, interactional models consider humans much more active. The symbolic quality is implicitly contained in the

term "interactional", so that the interactional model is much different from the usual interactions characterized by stimulus-response (Mulyana, 2001: 172-174).

Interactional model refers to a communication model that uses the perspective of symbolic interaction with its character, George Herbert Mead. The symbolic interaction perspective is better known in Sociology although its influence penetrates the disciplines of other disciplines such as Psychology, Communication Science, and Anthropology. The elements included in the intergalational communication model according to Wilbur Schramm are: a). Feedback where communication is two-way and dialogue occurs so that each participant has a dual role as communicator and komunikate, b). It is two-way from communicator to komunikate and from komunikate to communicator. This circular process shows that communication is always ongoing. In the interactional model in which komunikate develops its human potential through social interaction through taking the role of others. so this model put communicators and komunikate have equal position and c). A field of experience where one's experience, culture and descent affects his ability to communicate with others. When interacting someone will bring the experience that has ever experienced and then distributed to others.

Psychological models study individual behavior, including learning behaviors that are affected by various symptoms, such as attention, observation, memory, thought and motive. So what can be observed is what behaviors have been gained learners after following a particular learning. So that becomes an element of the psychological model of media that becomes a stimulus beyond the self that causes the change of attitude. The relevance of psychological studies through this model is one way to analyze students' behavior in order to achieve the learning objectives of behavior change. Classical conditioning theory is apply theory in this study proposed by Ivan Petrovich Pavlov (1848-1936), Russian scientist. This theory describes that in human learning activities is that learning basically forms the association between the stimulus and the response reflectively. So to form a certain behavior must be done repeatedly by performing certain conditioning.

### III. METHODOLOGY

The research location is Daarul Muqorrobin High School Bandung as the main reference. The main reason to do research in this school because high school Daarul Muqorrobin intended for the middle to bottom where started from a community-based institution (community-based institution). That desire comes from an awareness of the community about the importance of improving the quality

of life through a transformational process and learning. Students who became respondents in this study were 90 students of class XI.

The approach used is quantitative descriptive approach quantitative (Descriptive Quantitative Studies). The experimental method is Pretest-Posttest Control Group Experimental Design with a treatment. The experiment used is to describe by comparing between groups of students using interactional model with group of students using psychological model with the aim to know the difference of independent variable to dependent variable. Learning variable as variable (X) is model of communication of interactional learning and communication model of psychology learning. Student learning result variable as dependent variable (Y) are values (score) test result (pretest and posttest) communication model of interactional learning and communication model of psychology learning.

### Result and Discussion

#### Interactional Communication Model

The pretest result for the students before being taught the interactional model achieves the learning process result with score score of 69.23 with standard deviation 3.83, median 65.00, and mode 67.00. The lowest score is 60.00 and the highest score is 79.00. With reference to the standard of value, the result of learning result of class XI SMU Daarul Muqorrobin students before treatment (interactional model) got score average score in medium category. This suggests that feedback at the beginning of learning is sufficient, two-way communication is active, and communication skills between friends are few.

Posttest result of student after taught interactional model achieves result of learning with score value of average 80.21 with standard deviation 3.60, median 80.00, and mode 81.00. Score lowest score of 75 and score highest score 89. With reference to the standard value, the results of the learning process of students of class XI SMU Daarul Muqorrobin got score average score on the high category. Achievement of learning outcomes in the experimental group showed an excellent improvement in learning outcomes in feedback, interactive two-way communication, and communication skills among peers.

#### Psychological Communication Model

The pretest result of the students before being taught by the psychological communication model achieves the learning outcomes with an average score of 65.96 with standard deviation 3.48, median 67.50, and mode 65.00. Score lowest score 62 and score highest score 74. With reference to the standard value, then the results of the learning process of high school students of SMU Daarul Muqorrobin score

average score in the category of being. This shows that changes in student behavior are still low.

Posttest results after using the psychological model achieved results with an average score of 74.60 with 275 deviations, median 74.00, and 79.00 mode. The lowest score score of 67 and the highest score is 75. With reference to the standard of value, the result of the learning process of grade XI students got the average score score in the medium category. This suggests that there is no significant increase in learning outcomes. This means that there is a steady increase in the increase does not exceed the standard value set in this research.

The result of the research shows that the result of student learning process generally shows good, and the result of data analysis on the experimental result which is the result of the research shows that there is a difference between the students' learning result taught by using interactional model and psychology model in class XI SMU Daarul Muqorrobin Bandung. This means that the interactional model is superior in achieving student learning process compared to the psychological model.

Interactional model is more emphasis on two-way feedback between teachers to students running effectively resulting in a communicative dialogue between teachers and students. In the interactional model where students can develop their potential naturally through social interaction so as to place put teachers and students have equal position for the occurrence of two-way communication. So that in the end will form the ability to communicate good students with their teachers based on the experience he has experienced. In addition, the culture of communication is effective despite having differences in family background, ethnicity, and others.

Thus the results of this study are in line with the Classical Conditioning Theory put forward by Ivan Pavlov that in human learning activities is that learning basically forms a merge between stimulus and response reflectively. So to form student behavior must be done repeatedly by doing certain conditioning. Matters related to feedback, two-way communication and experience possessed are able to streamline better the learning process through interactional communication model. Stimulus provided by the teacher is able to produce good learning behavior in the learning process of high school students of Daarul Muqorrobin High School XI. Forms of discussion between teachers and students, working together among friends, exchanging information, helping each other and supporting each other in solving problems can help students be more motivated, confident, able to use high-level thinking strategies, and build good interpersonal relationships.

#### IV. CONCLUSION

1. The result of the learning process by using interactional model shows very high learning outcomes on feedback, two-way dialogue, and sharing experiences in communicating.
2. The result of the learning process by using psychological model shows the learning outcomes that are on changes in student behavior in communicating.
3. Of the two models are compared in this study ie the interactional model and psychological model that there is a difference in the learning process between students taught by using interactional model with students taught by psychological model in class XII Daarul Muqorrobin High School Bandung.

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